

### CLAIMS

1. (Currently amended) A method of mapping the Internet to generate an optimized set of proxy points in a local name server address space, comprising:

~~for~~ from a given pair of data centers, executing a trace route over the Internet from each data center to a given local name server;

locating an intersection of the trace routes at a common routing point; and

assigning an Internet Protocol (IP) address of the common routing point as a proxy point in the local name server address space.

2. (Original) The method as described in Claim 1 wherein the data centers are mirror sites that host content from at least one content provider.

3. (Original) The method as described in Claim 1 wherein the common routing point is a first common point when viewed from a perspective of the data centers.

4. (Original) The method as described in Claim 1 wherein the common routing point is a last common point when viewed from a perspective of the given local name server.

5. (Currently amended) A method of generating a network map to be used in routing and user local name server content requests to a set of content provider mirror sites, comprising:

for from each local name server, tracing a route over the network from each mirror site to the local name server;

identifying a point adjacent an intersection of the routes; and

associating an IP address of the point to a given one of the content provider mirror sites in the map.

6. (Original) The method as described in Claim 5 wherein the point is the intersection of the routes.

7. (Currently amended) A method of generating a network map useful for determining which of a set of mirror sites should receive a client name server request, comprising:

identifying a set of proxy points, wherein each proxy point represents a given point in the Internet at which a trace route over the Internet originating from each of the set of mirror sites directed toward a given name server intersect;

periodically probing the proxy points to generate given data; and  
using the given data to generate the network map.